

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application Number : 10/578,493 Confirmation No.: 7885  
Applicant : Laurent DESIRE  
International Filing Date : November 5, 2004  
Title : BACE455, AN ALTERNATIVE SPLICE VARIANT OF THE  
HUMAN BETA-SECRETASE  
TC/Art Unit : TBA  
Examiner: : TBA  
Docket No. : 67987.000002  
Customer No. : 21967

**MAIL STOP SEQUENCE**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION TO COMPLY WITH  
REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE  
AND/OR AMINO ACID SEQUENCE DISCLOSURES**

Sir:

Responsive to the attached U.S. Patent and Trademark Office "Notification to Comply with Requirements for Patent Applications Containing Nucleotide and/or Amino Acid Sequence Disclosures" mailed November 20, 2006, Applicant submits herewith a Preliminary Amendment and Substitute Sequence Listing including an Amendment specifically directing its entry into the application.

Applicant has included herein a check for \$1,160.00 to cover the following claim fees:

- \$ 800.00 for 4 independent claims over 3; and
- \$ 360.00 for multiple dependent claim surcharge.

01/24/2007 GFREY1 00000093 10578493

01 FC:1614  
02 FC:1616

800.00 OP  
360.00 OP

**Conclusion**


Applicant believes that no additional fees are necessary for this Response. In the event any variance exists between the amount enclosed and the U.S. Patent and Trademark Office charges, or if any fees are required to maintain the application as pending, please charge or credit any difference to the undersigned's **Deposit Account No. 50-0206**.

Respectfully submitted,

HUNTON & WILLIAMS LLP

Dated: January 19, 2007

By:



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UNITED STATES PATENT AND TRADEMARK OFFICE

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DMS-AHS

|                             |                       |                  |
|-----------------------------|-----------------------|------------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 10/578,493                  | Laurent Desire        | 67987.000002     |

21967  
HUNTON & WILLIAMS LLP  
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WASHINGTON, DC 20006-1109

67987.2

|             |                  |
|-------------|------------------|
| DOCKETED    | 11-27-06         |
| ACTION CODE | Sequence Listing |
| DUE DATE    | 1-20-07          |
| BASE DATE   | 11-20-06         |
| DEADLINE    | 11-20-07         |
| ATTORNEYS   | DMS-AHS          |
| INITIALS    | LB               |

|                               |               |
|-------------------------------|---------------|
| INTERNATIONAL APPLICATION NO. |               |
| PCT/IB04/03897                |               |
| I.A. FILING DATE              | PRIORITY DATE |
| 11/05/2004                    | 11/06/2003    |

CONFIRMATION NO. 7885  
371 FORMALITIES LETTER



\*OC000000021281888\*

Date Mailed: 11/20/2006

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### NOTIFICATION TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant is given **TWO MONTHS FROM THE DATE OF THIS NOTICE** within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Additional claim fees of **\$3460** as a non-small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is **\$3460** for a Large Entity:

- A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 CFR 1.822 and/or 1.823, as indicated on the attached copy of the marked-up "Raw Sequence Listing." Applicant must provide a substitute computer readable form (CRF) copy of the "Sequence Listing" and a statement that the content of the sequence listing information recorded in computer readable form is identical to the written (on paper or compact disc) sequence listing and, where applicable, includes no new matter, as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b), or 1.825(d).
- Total additional claim fee(s) for this application is **\$ 3460**
  - \$2600 for 13 independent claims over 3.
  - \$500 for 10 total claims over 20.
  - \$360 for multiple dependent claim surcharge.

NOV 27 2006

Applicant is cautioned that correction of the above items may cause the specification and drawings page count to

exceed 100 pages. If the specification and drawings exceed 100 pages, applicant will need to submit the required application size fee.

For questions regarding compliance to 37 CFR 1.821-1.825 requirements, please contact:

- For Rules Interpretation, call (571) 272-0951
- For Patent Software Program Help, call Patent EBC at 1-866-217-9197 or directly at 703-305-3028 / 703-308-6845 between the hours of 6 a.m. and 12 midnight, Monday through Friday, EST.
- Send e-mail correspondence for Patent Software Program Help @ [ebc@uspto.gov](mailto:ebc@uspto.gov)

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

- Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

SHELBY J VIGIL

Telephone: (703) 308-9140 EXT 224

**PART 1 - ATTORNEY/APPLICANT COPY**

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/578,493                  | PCT/IB04/03897                | 67987.000002     |